

Thanks for the thorough revision that has greatly improved the paper. I think that this is nearly ready for publication. Please address the following three points:

1) Make sure you always write GloSea with a capital "s" (see P8 for example).

Thank you, we have now corrected this.

2) Section 3.1: This section contains 4 multi-panel figures but only about 10 lines of text to describe and discuss them. This is too little to justify the figures' existence. I would suggest to either move some figures to the Appendix or to expand the text somewhat giving more details on the differences between the models.

We have moved Figures 1–3 to the appendix, but incorporated one panel from each into Figure 4, to produce a new Figure 1. We have also rearranged the subsections and subsubsections in Section 3.

3) Geographical terms: Please be consistent with capitalization. E.g. on P26 you write Tropical Indian Ocean and then equatorial Indian Ocean (which by the way you earlier defined an abbreviation for). So please be consistent and also use abbreviations consistently.

Thank you for picking this up, we have replaced "equatorial Indian Ocean" with "EIO" at that instance and the capitalisation is now consistent between "equatorial" and "tropical" (uppercase when part of a name, e.g., "EIO", and lowercase otherwise). We have also replaced some instances of "Indian summer monsoon" with "ISM" and of "[sea] surface temperature" with "SST".

We have also taken the opportunity to make some other minor adjustments to the text: hopefully these will be clear from the differences document.